

ROBICSEK, Ferenc, dr.

Cardiac catheterization in diagnosis of the aortic coarctation.
Magy. sebeszet 7 no.5:356-358 Oct 54.

1. A Budapesti Orvostudományi Egyetem Sebesztovábbképző Klinikájának közleménye. Igazgató: Littmann Imre dr. egyetemi tanár.

(COARCTATION OF AORTA, diag.
catheterization, value)

(HEART
catheterization, diag. of aortic coarctation)

ROBICSEK F., FELKAI B., ZSÓTER T., IVANYI J., SZÜCS ZS., TENYI M. AND HÁLMAGYI D.

1. Klin. Chir. Fortbild., Budapest., 2. inn. Klin., Med. Univ., Szeged.
Untersuchung der experimentellen Trikuspidalinsuffizienz an Hunden. Study
of experimental tricuspidal incompetence in the dog ACTA PHYSIOL. ACAD. SCIANT.
HUNG. (Budapest) 1952, 5/suppl. (56-57)

SO: EXCERPTA MEDICA, Section II Vol. 11 No. 11

HALMAGYI, D.; ROBICSEK, F.; FELKAI, B.; IVANYI, J.; ZSOTER, T.;
SZUCS, Zs.; TENYI, M.; SZEITZ, K., technical assistant

Pulmonary circulation in experimental pulmonary stenosis. Acta
med. hung. 5 no.3-4:335-345 1954.

1. Drs. Halmagyi, Felkai, Ivanyi, Szucs, and Tenyi are members of
the staff of the First Department of Medicine, University Medical
School, Szeged; Dr. Robicsek is a member of the staff of the
Postgraduate Department of Surgery (Postgraduate Surgical Clinic),
University Medical School, Budapest; Dr. Zsoter of the Second
Department of Medicine, Szeged.

(PULMONARY STENOSIS, exper.

pulm. arteriolar resist. & pressure)

(LUNGS, blood supply

arteriolar resist. & pressure in exper. pulm. stenosis)

(BLOOD CIRCULATION

pulm., in exper. pulm. stenosis)

ROBICSEK, Ferenc, dr.

Nervous regulation of compensation in mitral stenosis. *Magy. belorv. arch.* 8 no.3:89-96 June 55.

1. Budapesti Orvostudományi Egyetem Sebesztovábbképző Klinikájának közleménye (Igazgató: Littmann, Imre egyetemi tanár).

(MITRAL STENOSIS,

neural regulation of compensation, exper. study (Hun))

(SYMPATHETIC NERVOUS SYSTEM, physiol.

regulation of compensation in mitral stenosis, exper. study (Hun))

ROBICSEK, F.

"Bringing about Experimentally Pulmonary Stenosis and Endocarditis accompanied by Compensating and Acute Heart Insufficiency" (in German).

SO: ACTA MEDICA (Hungary) 1953, Vol. IV, No.1 (AF 553727).

FONO, R.;FORBATH, P.;ROBICSEK, F.

Congenitalis familiaris methaemoglobinaemia. Orv. hetil. 94 no.22:610-
611 31 May 1953. (CIML 25:1)

1. Doctors. 2. Second Children's Clinic (Director -- Prof. Dr. Geza
Petenyi) and Clinic for Advanced Surgical Training (Director -- Prof. Dr.
Imre Littmann), Budapest Medical University.

8794

LITTMANN, Imre, dr.; TEMESVARI, Antal, dr.; ROBICSEK, Ferenc, dr.;
KUNOS, Istvan, dr.

Mitral commissurotomy and the problem of embolism, based on
experiences of 400 mitral commissurotomies. Magy. sebeszet
9 no.5:273-279 Oct 56.

1. A Budapesti Orvostudományi Egyetem Sebesztovábbképző Klinikája
(igazgató: Dr. Littmann, Imre egyetemi tanár) Szívsebeszeti
Osztályának közleménye.

(COMMISSUROTOMY, compl.

embolism in mitral commissurotomy, incidence & prev.
methods (Hun))

(EMBOLISM

in mitral commissurotomy, incidence & prev. methods
(Hun))

Approved for Release by NSA on 08-25-2013 pursuant to E.O. 13526

1. Doctor. 2. Clinic for Advanced Training in Surgery (Director -- Prof. Dr. Imre Littmann), Budapest Medical University.

KUNOS, Istvan; GARAN, Vilmos; ROBICSEK, Ferenc

Evaluation of sound phenomena audible above the pulmonary artery in mitral stenosis. *Magy. belorv. arch.* 9 no.5:143-149 Oct 56.

1. A Budapesti Orvostudományi Egyetem Sebesztovábbképző Klinikájának (Igazgató: Littmann, Imre, dr. egyetemi tanár) közleménye.

(CARDIAC MURMURS AND SOUNDS, in various dis.

mitral stenosis, sounds above pulm. artery (Hun))

(MITRAL STENOSIS, manifest.

sounds above pulm. artery (Hun))

LITTMANN, Imre, dr.; ROBICSEK, Ferenc, dr.; TEMESVARI, Antal, dr.

Operated case of atypical coarctation of aorta. *Magy. sebeszet*
9 no.5:309-312 Oct 56.

1. A Budapesti Orvostudományi Egyetem Sebesztovábbképző
Klinikájának közleménye. Igazgató: Littmann, Imre, dr.
egyetemi tanár.

(COARCTATION OF AORTA, case reports
atypical, hemodynamic & angiographic findings & surg.
(Hun))

ROBICSEK F. Vol. 11/7 Surgery July 1957

3654. ROBICSEK F., TEMESVÁRI A. and KÁDAR R. L. Dept. of Heart Surg., Post-Grad. Surg. Clin., Budapest. *A new method for the treatment of congenital heart disease associated with impaired pulmonary circulation. An experimental study ACTA MED. SCAND. 1956, 154/2 (151-161) Graphs 1 Tables 1 Illus. 4

The authors have developed experimentally in dogs a new method for the relief of congenital heart disease associated with impaired pulmonary circulation. In 15 dogs the superior vena cava was transected superior to the site of union of the azygos vein and the right pulmonary artery was transected immediately at its origin from the main trunk. The peripheral stumps of the 2 vessels were then anastomosed end-to-end. As a result the right lung was supplied with blood directly from the superior vena cava, the blood flow by-passing the right heart. Eleven dogs survived the operation, and in 10 of these the anastomosis remained patent. Cardiac catheterization showed that pulmonary blood flow was almost equal on both sides without any significant increase in blood pressure in the area of the superior vena cava. Angiocardiography demonstrated excellent filling of the right pulmonary arterial tree. The authors claim that their method is applicable to human cardiac surgery and has advantages over the Blalock operation and its modifications in the following respects: (1) The operation places no considerable extra burden on the heart. (2) It does not increase blood pressure in the main trunk of the pulmonary artery. (3) The anastomosis supplies pure venous blood to the lung. (4) End-arteritis is not liable to occur. (5) Technically the operation is not difficult, even when performed in children.

Heath - Birmingham (VI, 9)

ROBICSEK F. and TEMERVARI A. Klin. f. chir. Fortbild., med. Univ. Budapest.
Experimentelle Erzeugung von kompensierter und mit akuter Herzinsuffizienz einher-
gehender Pulmonalstenose und Endokarditis Experimental production of endocarditis
and pulmonary stenosis with or without acute heart failure Acta med. Acad. Sci. hung.
(Budapest) 1953, 4/1 (117-128) Graphs 1 Tables 2 Illus. 10

Two operative procedures have been devised for the production in dogs of pulmonary
stenosis: (A) infundibular, (B) valvular; (A) pericardial graft in the conus arteriosus,
(B) stitching together the right and left semilunar cusps after opening the supravul-
vular part of the artery. The animals of the first series showed only mild symptoms
of circulatory insufficiency on exertion, those of the B series developed congestive
heart failure with pulmonary stasis, hydrothorax and ascites. As a consequence of
the altered haemodynamics, verrucous pulmonary endocarditis has been observed in a
few cases. Gottsegen - Budapest

SO: EXCERPTA MEDICA, Section VI, Vol. 8, #1, January 1954

LITTMANN, I.; KUNOS, I.; TEMESVARI, A.; ROBICSEK, F.; JONA, I.

Experience with 260 mitral commissurotomies. Acta med. hung.
9 no.1-2:67-84 1956

1. Chirurgische Fortbildungsklinik der Medizinischen Universität,
Budapest.

(MITRAL STENOSIS, surg.
commissurotomy)

HALMAGYI, D.,; ROBICSEK, F.,; FELKAI, B.,; IVANYI, J.,; ZSOTER, T.,;
SZUCS, Zs.; Technischer Assistent: K. Szeitz.

Experimental chronic right cardiac insufficiency in dogs. Acta med.
hung. 7 no.3-4:405-420 1955

1. I. und II. Medizinische Universitätsklinik, Szeged, und Klinik
für Chirurgische Fortbildung der Medizinischen Universität,
Budapest.

(TRICUSPID VALVE, diseases,
exper. insuff.)

ROBICSEK, F.

On the nervous regulation of compensation in metral stenosis.
Acta med. hung. 9 no.1-2:1-14 1956

1. Post-graduate surgical clinic, University medical school,
Budapest.

(METRAL STENOSIS, physioll.
compensation, nervous regulation)

HALMAGYI, D.,; ROBICSNEK, F.,; FELKAI, B.,; ZSOTER, T.,; IVANYI, J.

Effect of experimental mitral insufficiency on lesser blood circulation in dog. Kiserletes orvostud. 7 no.1:25-35 Jan 55.

1. Szegedi Orvostudományi Egyetem I. és II. Belklinikája és
Budapesti Orvostudományi Egyetem Sebész-továbbképző Klinikája.

(MITRAL VALVE, diseases

insuff., exper., eff. on pulm. blood circ. in dogs)

(BLOOD CIRCULATION

pulm., eff. of exper. insuff. on mitral valve in dogs)

PEER, G.; ROBICSEK, F.; JUHASZ, J.; BOGSCH, S.

Effect of active movement on the lymph circulation of contracting tendons. Magy. sebeszet5 no. 1:14-19 Mar 1952. (CLML 22:4)

1. Doctors. 2. Third Surgical Clinic (Director -- Prof. Dr. Pal Rubanyi), Budapest Medical University.

ROE ICSEK, F.; TEMESVARI, A.

Experimental production of pulmonary stenosis and endocarditis with compensation and with accompanying acute insufficiency. Acta med. hung. 4 no. 1:117-128 1953. (CML 24:2)

1. Of the Surgical Postgraduate Clinic of Budapest University.

LITTMANN, Imre, dr.; TEMESVARI, Antal, dr.; ROBICSEK, Ferenc, dr.

Congenital arteriovenous aneurysm of the lung. Orv. hetil.
97 no.16:434-437 15 Apr 56.

1. A Budapesti Orvostudományi Egyetem Sebesztovábbképző
Klinikájának (igazgató: Littmann, Imre dr. egyet. tanár)
közleménye.

(LUNGS, blood supply
arteriovenous fistula, clin. aspects (Hun))

(FISTULA, ARTERIOVENOUS
pulm., clin. aspects (Hun))

ROBICSEK, Ferenc, dr.; GECZY, Janos,

Manometric registration
New type of manometric registration. Orv. hetil. 96 no.24:664-665
12 June 55.

1. A Budapesti Orvostudományi Egyetem Sebesztovábbképző
Klinikájának (Igazg.: Littmann Imre dr. egyet. tanár)
közleménye.
(MANOMETER)

FOLDI, Mihaly, orvostudományok doktora; KEPES, Janos; ~~ROBICSEK, Ferenc,~~
aspirans; SZABO, Gyorgy, orvostudományok kandidátusa.

Hemodynamic experiments in pulmonary edema produced by ligation
of the lymphatic vessels in dogs with vitium cordis. Magy. Tudom.
Akad. Biol. Orv. Oszt. Kozl. 6 no.1:121-122 1955.

1. A Magyar Tudományos Akadémia Kísérletes Orvostudományi Kutató
Intézete, a Budapesti Orvostudományi Egyetem I. sz. Belklinikája,
Sebész Továbbképző Klinikája és az Országos Idegsebészeti Tudományos
Intézet.

(EDEMA, experimental,
lungs, hemodynamic aspects in edema prod. by lymphatic
ligation.)
(LUNGS, diseases,
exper. edema, hemodynamic aspects in edema prod. by
lymphatic ligation.)

LITTMANN, Imre, dr.,; KUNOS, Istvan, dr.,; TEMERSVARI, Antal, dr.,;
ROBICSEK, Ferenc, dr.,; JONA, Istvan, dr.

Results in 200 cases of commissurotomy. Orv. hetil. 96 no.26:
701-708 26 June 55

1. A Budapesti Orvostudományi Egyetem Sebesztovábbképző Klinikájának
(igazgató: Littmann Imre dr. egyet. tanár) közleménye.

(MITRAL STENOSIS, surgery,
commissurotomy, results)

TEMESVARI, Antal, dr.; ROBICSEK, Ferenc, dr.; PAVLIK, Jozsef, dr.;
LITTMANN, Imre, dr.

The reversed Botallo duct. Orv. hetil. 97 no.12:320-323
18 March 56.

1. A Budapesti Orvost. Egyetem Sebesztovabbkepzo Klin.
(igaz. Littmann, Imre dr. egyet. tanar) kozl.

(DUCTUS ARTERIOSUS, PATENT, compl.

reversed blood-flow & pulm. hypertension, pathogen.
& surg. (Hun))

(HYPERTENSION

pulm., caused by patent ductus arteriosus with
reversed blood-flow. (Hun))

JONA, Istvan, dr.; TEMESVARI, Antal, dr.; ROBICSEK, Ferenc, dr.;
KERPEL, Marta, dr.

X-ray picture of heart catheterization. Magy. radiol. 8 no.1:
4-12 Feb 56.

1. A Budapesti Orvostudományi Egyetem Sebesztovábbképző
Klinikájának (igazgató: Littman, Imre dr. egyetemi tanár)
közleménye.

(HEART

catheterization, diag. value in congen. cardiovasc.
defects & circ. disord. (Hun))

LITTMANN, Imre, dr.; ~~ROBICSEK~~, Ferenc, dr.; TEMESVARI, Antal, dr.;
KUNOS, Istvan, dr.

Importance of preoperative hemodynamic tests in mitral stenosis.
Magy. belorv. arch. 8 no.4:112-116 Aug 55.

1. A Budapesti Orvostudományi Egyetem Sebesztovábbképző
Klinikájának közleménye. (Igazgató: Littman, Imre dr. egyetemi
tanár).

(MITRAL STENOSIS, surgery,
preop. hemodynamic tests.)

FOLDI, Mihaly, orvostudományok doktora; KEPES, Janos; ~~ROBICSEK, Ferenc,~~
aspirans; RUSZNYAK, Istvan, r. tag.; SZABO, Gyorgy, orvostudományok
kandidátusa.

Pathogenesis of pulmonary edema. II. Pulmonary edema in dogs with
vitium cordis and in vagotomized dogs with ligated lymphatic
vessels. Magy. Tudom. Akad. Biol. Orv. Oszt. Kozl. 6 no.1:29-36
1955.

1. A Magyar Tudományos Akadémia Kísérletes Orvostudományi Kutató
Intézete, a Budapesti Orvostudományi Egyetem I. sz. Belgyógyászati
Klinikája, Sebész-továbbképző Klinikája és az Országos Idegsebészeti
Tudományos Intézet.

(EDEMA, experimental,
lungs, prod. in dogs.)

(LUNGS, diseases,
exper. edema in dogs.)

ROBICSEK, Ferenc, dr.

Extensive resection of incarcerated small intestine. Orv. hetil.
96 no.45:1258-1259 6 Nov 55.

1. A Budapesti Orvostudományi Egyetem Segesztovábbképző
Klinikájának (igazgató: Littmann Imre dr. egyet. tanár) közleménye.
(INTESTINAL OBSTRUCTION, surgery,
resection of extensive portion of small intestine
incarcerated in mesenteric perf.)

LASZLO, Janos, dr.; ROBICSOK, Ferenc, dr.; TEMESVARI, Antal, dr.

Comparative histological and clinical study of the activity of the
rheumatic process in mitral stenosis. Orv. hetil. 96 no.46:1269-1271
13 Nov 55.

1. A Budapesti Orvostudományi Egyetem I. sz. Kóronctani és
Kísérleti Rákkutató Intézetének (igazgató: Baló József dr. egyet.
tanár és Sebeszyovábbképző klinikájának (igazgató: Litmann Imre
dr. egyet. tanár) közleménye.

(MITRAL STENOSIS, pathology

Aschoff bodies & endocardial fibroelastosis in left
auricle indicating rheum. process)

(RHEUMATIC HEART DISEASE, pathology

Aschoff bodies & endocardial fibroelastosis in left
auricle in mitral stenosis)

~~SECRET~~, U.S.S.R., M.T.; POKUTOVA, N.Ye.; ROBIN, A.A.

... on lateral hyperconcentration and the severity of burns in
acc. lat. fiziol. i eksp. terap. 9 no.4:59-64. JI-Ag '65.
(MIRA 18:9)

1. Uchenye zadaniya daniya Lenina akademiya imeni S.M.
Kirova, Leningrad.

POBBLE, M.A.; FISHCHILIN, A.P.; ROBIN, H.A.

Operation indices of a gas-air injector for production of jet
of maximum possible velocity. Gaz. prom. 9 no.4:11-14 '61.
(AIR 17:0)

ANDON'YEV, S.M.; CLAZKOV, P.G. [deceased]; KUCHIN, V.A. KONDRAT'YEV, Ye.M.;
LIVITANSOV, Ye.M.; MAYAROV, K.I.; PANKRATOV, F.V.; PEVNYY, N.I.;
POKRAS, L.M.; POCHTMAN, A.M.; TESNER, P.A.; SHERINAYN, F.I.;
SHKLYAR, T.I.; Prinsipali uchastiya: GERMAN, M.N.; VARFALOMEYEV,
F.L.; ROBIN, M.A.; MOYSEYEVICH, G.I.; SAPIRO, V.S.; ALEKSEYEV,
L.M.; TOPOVA, R.S.

Heating Martin furnaces with natural gas using reformers.

Ger. prom. 9 no.11:14-17 '64.

(MIRA 12:12)

H

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MAGYAR TEXTILTECHNIKA
HUNGARIAN TEXTILES
VOL IV 1951
NO. 3, March

V. Robin
and S. Lepsky:
Heating heat-exchangers by means of
recirculating steam (From the Rumanian) 86-89

ASIA 11.1.1 METALLURGICAL LITERATURE CLASSIFICATION

ROBIN, V.A., kand. tekhn. nauk

New heat transfer agents for industrial heat exchangers.
Teploenergetika 5 no. 5:61-63 My '58. (MIRA 11:7)

1. Leningradskiy kinoinstitut.
(Antimony compounds)
(Heat exchangers)

ROBIN, V.A., kand. tekhn. nauk.

Performance of a semi-industrial installation using the new
inorganic heat-transfer agents. Prom. energ. 14 no.1:29-34 Ja
'59. (MIRA 12:1)

1.Vsesoyuznyy zaochnyy, inzhenerno-tekhnicheskii institut, Leningrad.
(Boilers)

SOV/96-58-5-13/27

AUTHOR: Robin, V.A., Candidate of Technical Sciences

TITLE: New Heat-transfer Media for Industrial Heat-exchange Equipment (K voprosu o novykh teplonosিতelyakh dlya zavodskoy teploobrennoy apparatury)

PERIODICAL: Teploenergetika, 1958, Nr 5, pp 61 - 63 (USSR)

ABSTRACT: This article recounts studies of mixtures of antimony bromide and chloride as heat-transfer media. Tests were made to determine the melting point of such mixtures, using the procedure described in Teploenergetika, 1956, Nr 7. The melting point diagram for the system $\text{SbCl}_3/\text{SbBr}_3$, as determined experimentally, is given in Figure 1. The eutectic point occurs when the antimony chloride is 56% by weight of the mixture and the melting point of this eutectic is 38°C . The mixture is preferable to one of aluminium, bromide and chloride because it is more stable.

Data for the antimony salts are given in Table 1, but should be regarded as a first approximation; some were derived from Gmelin's handbook. Investigations were made on the corrosivity of the mixture of antimony bromide and chloride at temperatures of up to 500°C . The results for the temperature range

Card 1/2

SOV/96-58-5-13/27

new Heat-transfer Media for Industrial Heat-exchange Equipment

250 - 500 °C, given in Table 2, show that if there is no contact in the air these salts hardly react with iron and steel. Determinations were also made of heat transfer during boiling of the mixture under conditions of free convection and natural circulation, with the results plotted in Figure 2. To facilitate comparison of various new heat-transfer media, Table 3 gives data for the case when the steam temperature required to heat the equipment is 300 °C. It is seen that the mixture of antimony bromide and chloride has a number of advantages. At the present stage of development, these heat-transfer media cannot be used at temperatures above 500 °C.

There are 2 figures, 3 tables and 2 references, 1 of which is Soviet and 1 German.

ASSOCIATION: Leningradskiy kinoinstitut (Leningrad Motion Picture
Card 2/2 Institute) 1. Heat exchangers--Materials 2. Heat transfer
--Measurement 3. Antimony bromide--Melting
4. Antimony chloride--Melting

Robin, V.A.

Category : USSR/Atomic and Molecular Physics - Heat

D-4

Abs Jour : Ref Zhur - Fizika, No 3, 1957, No 6326

Author : Robin, V.A.

Inst : Leningrad Motion Picture Institute

Title : Use of Mixture of Aluminum Chloride and Bromide as a Heat-Carrying Medium.

Orig Pub : Teploenergetika, 1956, No 7, 27-34

Abstract : The physico-chemical and thermo-physical properties of a mixture of aluminum bromide and aluminum chloride are given, as are the results of an investigation of the corrosive action of the mixture on steel and iron. The results of experimental investigation of heat exchange during boiling under conditions of free convection and of heat exchange under condition of natural circulation are described.

Card : 1/1

ROBIN, V.A.

New thermal conductors. Trudy LIKI no.4:206-211 '56. (MIRA 10:5)

1. Kafedra protsessov i apparatov, teplotekhniki i obshchey khimicheskoy tekhnologii.
(Heat---Conduction) (Halides)

ROBIN, V.A.

"Certain Methods of Increasing the Intensity and Economy of Thermal Process,"

Za Ekon. Top., 4, No. 7, 1947;

"The Problem of Gasification of Industrial and Communal Enterprises of Leningrad,"

ibid., No. 7, 1948.

ROBIN, V. A.

PA 20T45

USSR/Physics
Furnaces
Burners

Jul 1947

"Certain Methods of Increasing the Intensity and Economy of Thermal Processes," V. A. Robin, 5 pp

"Za Ekonomiyu Topliva" Vol IV, No 7

Discussion with diagrams of various furnaces and burners. Suggests modifications of a bell furnace to conserve 10-15% of fuel used.

20T45

ROBIN, V. A.

PA 16/49T61

USSR/Engineering
Heating, Industrial
Furnaces, Gas

Jul 48

"The Problem of Gasification of Industrial and
Communal Enterprises of Leningrad," V. A. Robin,
Engr, 4 pp

"Za Ekonomiyu Topliva" No 7

Leningrad industries will be changed over to gas
in near future. First group of shale plants
is in operation. Reports on large bakery which
works on both coal and gas, giving sketches of
furnace, trial figures and suggestions on
efficient gas burning.

FDB

16/49T61

F M 771. LONG EFFICIENT HEATING. Robin, V. A. (Za ekonomiyu Toplivo (Fuel Economy), 1967, No.7, 26-27). The author deals with factors for intensifying the heating process in boilers of the Brown-Boveri "Velox" type. Diagrams and formulas are given.																																																																																																																													
ASH S.L.A. METALLURGICAL LITERATURE CLASSIFICATION <table border="1"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td><td>46</td><td>47</td><td>48</td><td>49</td><td>50</td><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>57</td><td>58</td><td>59</td><td>60</td><td>61</td><td>62</td><td>63</td><td>64</td><td>65</td><td>66</td><td>67</td><td>68</td><td>69</td><td>70</td><td>71</td><td>72</td><td>73</td><td>74</td><td>75</td><td>76</td><td>77</td><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td><td>87</td><td>88</td><td>89</td><td>90</td><td>91</td><td>92</td><td>93</td><td>94</td><td>95</td><td>96</td><td>97</td><td>98</td><td>99</td><td>100</td> </tr> </table>																										1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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ROBIN, V.A., kandidat tekhnicheskikh nauk.

Using a mixture of aluminum chloride and aluminum bromide as a heat-transfer agent. Teploenergetika 3 no.7:27-34 J1 '56. (MLRA 9:9)

1. Leningradskiy kinoinstitut.

(Heat--Transmission) (Aluminum chloride) (Aluminum bromide)

AID P - 4803

Subject : USSR/Engineering

Card 1/2 Pub. 110-a - 6/17

Author : Robin, V. A., Kand. Tech. Sci.

Title : Use of the mixture of aluminum chloride and bromide as a heat carrier.

Periodical : Teploenergetika, 7, 27-34, J1 1956

Abstract : The author describes the physical, chemical and thermal properties of the aluminum chloride and bromide mixture. The results of the corrosive effect of this mixture on steel and iron are discussed. The results are presented of the experimental analysis of heat conduction in the mixture during boiling under conditions of free convection, as well as of heat conduction under conditions of natural circulation. Deductions are made. Diagrams. 11 references (8 Russian).

AID P - 4803

Teploenergetika, 7, 27-34, J1 1956

Card 2/2 Pub. 110-a - 6/17

Institution : Leningrad Institute of Motion Pictures

Submitted : No date

KUZ'MINOV, Grigoriy Petrovich, dots., kand. tekhn. nauk; BEL'SKIY, I.R.,
prof., kand. tekhn. nauk, retsenzent; BUKREYEV, B.A., retsenzent;
ROBIN, V.A., dots., kand. tekhn. nauk, retsenzent; SHULESHOV,
V.F., dots., kand. tekhn. nauk, retsenzent; YAKOVLEV, N.A.,
retsenzent; BEZGODOVA, L.V., red.; URITSKAYA, A.D., tekhn. red.

[Thermal electric power plants in the lumbering industry] Teplo-
silovye ustanovki lesnoi promyshlennosti; uchetnoe posobie dlia
studentov vseh fakul'tetov. Leningrad, Vses. zaachnyi leso-
tekhn. in-t, 1962. 198 p. (MIRA 16:8)

1. Glavnyy spetsialist otdela energetiki GLT (for Bukreyev).
 2. Nachal'nik otdela energetiki Gosudarstvennogo instituta po
proyektirovaniyu lesnogo transporta (for Yakovlev).
- (Electric power plants)

ROBIN, V. A.

"Investigation of Two-component Haloid Salts as a Coolant in
Production of Building Materials and Heat Transfer Apparatus."

Report submitted for the Conference on Heat and Mass Transfer,
Minsk, BSSR, June 1961.

ROBIN, Viktor Arkad'yevich, kandidat tekhnicheskikh nauk; LETICHEVSKIY, I.M.,
redaktor; RACHEVSKAYA, M.I., redaktor; KONYASHINA, A., tekhnicheskiy
redaktor.

[Ways of saving fuel in communal enterprises] Puti ekonomii topliva
v kommunal'nom khoziaistve. Moskva, Izd-vo Ministerstva kommunal'nogo
khosiaistva RSFSR, 1955. 71 p. (MLRA 9:5)
(Heat engineering)

ROBINER, I. S.

Cand. Medical sci.

"Localization of Somatic Sensitivity in the Cortex and the Optic Protuberance in the Cat and Rabbit." Sub 22 Mar 51, Acad Med Sci USSR.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SC: Sum. No. 480, 9 May 55.

USSR/Medicine - Physiology

FD-1325

Card 1/1 Pub. 33-3/25

Author : Robiner, I. S.

Title Electric activity of the cortex and of the optic protuberance in a cat during narcosis with ether

Periodical : Fiziol. zhur. 4, 404-412, Jul/Aug 1954

Abstract Results of experiments with cats reveal that inhibition develops in the cortex immediately after ether is inhaled; changes in the activity of optic protuberance take place later on. This confirms Pavlov's claim that the cortex of humans and animals possesses high reactivity. Changes that take place subsequently as result of narcosis serve to indicate intensification of inhibitory state of the cortex and irradiation of inhibition to the subcortical formations of the brain. Development of inhibition in the optic protuberance signifies approach of the stage of profound sleep. Graphs. One non-Soviet and three Soviet references.

Institution : Laboratory of Electrophysiology, Brain Institute, Ministry of Health USSR, Moscow

Submitted : November 21, 1952

ROBINER, I.S.; FRENKLAKH, Kh.G.

Effect of chloral hydrate and of amytal sodium on electrical activity of the brain in man. Zhur.vys.nerv.deiat. 4 no.4:494-501 J1-Ag '54.

(MLRA 8:3)

1. Laboratoriya elektrofiziologii Instituta mozga Ministerstva zdavookhraneniya SSSR i kliniki kozhnykh bolezney 1-go MOLMI.

(ELECTROENCEPHALOGRAPHY,

eff. of amobarbital & chloral hydrate)

(BARBITURATES, effects,

amobarbital, on EEG)

(CHLORAL HYDRATE, effects,

on EEG)

ROBINER, I.S.

Physiological mechanism of action of a pulsating current of low force and frequency. Zhur.vys.nerv.deiat. 6 no.1:146-156 Ja-F' 56. (MIRA 9:7)

1. Nauchno-issledovatel'skiy institut psikhatrii Ministerstva zdravookhraneniya SSR.

(ELECTRICITY, effects,

pulsating current of low force & frequency on CNS (Rus))

(CENTRAL NERVOUS SYSTEM, physiology,

off. of pulsating current of low force & frequency (Rus))

ROBINER, I.S.

Electroencephalographic analysis of the functional state of the cerebral hemispheres during the activity of aminazine [with English summary in insert]. Zhur.vys.nerv.deiat. 6 no.5:776-785 S-O '56.
(MLRA 10:2)

1. Nauchno-issledovatel'skiy institut psikhiiatrii Ministerstva zdravookhraneniya SSSR.

(ELECTROENCEPHALOGRAPHY, eff. of drugs on
chlorpromazine in rabbits & in man)

(CHLORPROMAZINE, eff.
on EEG in rabbits & in man)

GALENKO, V.Ye.; OSBERG, I.Yu.; ROBINER, I.S.; FRENKEL', G.M.

Clinical electroencephalographic studies of mental patients treated with aminazine. Zhur.nevr. i psikh. 56 no.4:300-306 '56. (MLRA 9:7)

1. Elektrofiziologicheskaya laboratoriya (zav.-prof. S.A.Chugunov)
Instituta psikiatrii Ministerstva zdavookhraneniya SSSR, Moskva
(CHLORPROMAZINE, therapeutic use,
ment. disord. (Rus))
(MENTAL DISORDERS, therapy,
chlorpromazine (Rus))

ROBINER, I.S. (Moskva, 1-y Beopalinovskiy per., d.2, kv.5)

Neuron structure and electrophysiological activity of the cutaneous motor analysator in cats [w/ith summary in English]. Arkh.anat.gist. 1957. 34 no.):20-29 My-Je '57. (MLRA 10:10)

1. Iz Institute mozga Akademii meditsinskikh nauk SSSR.
(CENTRAL NERVOUS SYSTEM, physiol.
neuron structure & electrophys. activity of skin-motor
analysator in cat (Rus))

USSR/Pharmacology and Toxicology. Narcotics

V-1

Abs Jour : Ref Zhur - Biol., No 15, 1958, No 71012

Author : Robiner I.S.

Inst : -

Title : On the Physiological Mechanism of the Action of Hypnotics
and Narcotics

Orig Pub : V sb.: Vopr. psikhiiatrii. Vyp. 2. M., 1957, 188-190

Abstract : The action of ether, chloroform, avertin, chloral hydrate, and morphine ("cortical" narcotics and hypnotics), as well as that of hexenal [hexobarbital soluble], pentothal sodium, luminal, medinal, amytal sodium, and nembutal ("subcortical" narcotics), was studied by the method of EEG in combination with the method of conditioned reflexes and clinical observations on healthy human subjects, and also on rabbits and dogs (under conditions of acute and chronic experiments with the implantation of electrodes in the cortex and thalamus opticus). In the ether and chloroform-induced narcosis, hypnotic inhibition gradually irradiates the subcortex

Card : 1/2

Card : 2/2

ROBIFER, I.S.

Bioelectrical activity of the cortex and subcortex in electronarcosis.
Biul. eksp. biol. i med. 46 no.12:14-17 D '58. MIRA 12:1)

1. Iz Nauchno-issledovatel'skogo instituta psikhiiatrii (Dir. - prof. D.D. Fedotov) Ministerstva zdravookhraneniya SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V. N. Chernigovskim.

(ELECTROENCEPHALOGRAPHY,

cortical & subcortical variations in electronarcosis (Rus))

(ELECTRONARCOSIS, effects,

on cortical & subcortical EEG (Rus))

IVANOVA N.S., ROBINER, I.S.

Clinical and electrophysiological investigations of epilepsy during
hexamine therapy. [with summary in French]. Zhur.nevr. i psikh.
58 no.8:971-979 '58 (MIRA 11:9)

1. Nauchno-issledovatel'skiy institut psikhiatrii (dir. - prof. D.D.
Fedotov) Ministerstva zdavookhraneniya SSSR, Moskva.

(METHENAMINE, ther. use,

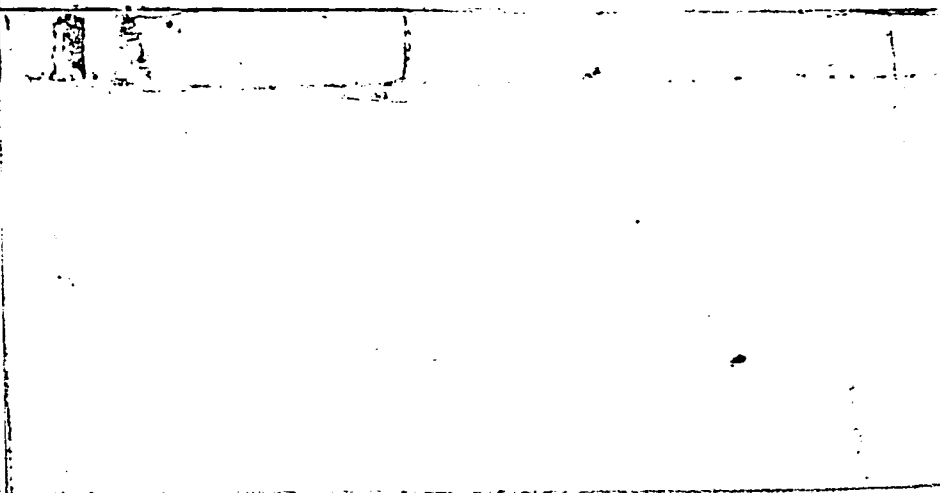
epilepsy, EEG & clin. indices (Rus))

(EPILEPSY, ther. methenamine, EEG & clin. indices (Rus))

EXCERPTA MEDICA Sec 2 Vol 12/9 Physiology Sept 59

4345. BIOELECTRICAL ACTIVITY OF THE CORTEX AND SUBCORTEX IN DOGS DURING ELECTROSLEEP (Russian text) - Robiner I. S., Inst. of Psychiat., USSR Min. of Publ. Hlth, Moscow - BYULL. EKSPER. BIOL. I MED. 1958, 45/12 (14-17) Graphs 2

Impulse current of low intensity and frequency has a weak parabolic effect on the cerebral hemispheres. The functional changes appearing under the effect of impulse current are retained in the CNS after cessation of its action. The longer the action of the current the more prolonged the retention of the functional changes in the CNS. The majority of animals fall asleep under the action of impulse current. The depth of sleep varies in different animals, depending on the individual peculiarities of CNS function.



ROBINER, I.S.

General features and specific peculiarities of bioelectric changes
in the brain following the action of various barbiturates. Vop.
psikh. no. 3:407-416 '59. (MIRA 13:10)
(BRAIN) (ELECTROPHYSIOLOGY) (BARBITURATES)

ROBINER, I. S., Doc of Med Sci -- (diss) "Concerning the Mechanism of
the Action of Soporific and Narcotic Materials following Electro-
encephalography," Moscow, 1959, 19 pp (Acad Med Sci USSR)
(KL 4-60, 123)

USSR/Human and Animal Physiology (Normal and Pathological)
Nervous System. General Problems.

T

Abs Jour : Ref Zhur Biol., No 6, 1959, 26937

Author : Robiner, I.S.

Inst :

Title : Neuron Structure and Electro-Physiological Characteristics of Dermo-Motor Analyser of Cat.

Orig Pub : Arkhiv anatomii, gistol. i embriol., 1957, 34, No 3, 20-29

Abstract : In the electrogram (EG) of posterior horns of the spinal cord, slow oscillations (O) were prevalent on which 7-12 osc/sec were superimposed. In EG of the nuclei of posterior cords, oscillations of 15-17 in 1 sec. were predominant. EG of optic thalamus is distinguished by great variability; the frequency of 5-7 osc/sec is most typical. In EG of anterior actosylvian gyrus, fast O were prevalent (25-30 in 1 sec); EG of various layers of the

Card 1/2

USSR/Human and Animal Physiology (Normal and Pathological)
Nervous System. General Problems.

T

Ab's Jour : Ref Zhur Biol., No 6, 1959, 26937

cortex do not differ from each other, but under influence of narcotic substances the activity of upper layers became inhibited much faster than of deeper layers; most reactive is IIIrd layer, Electro-physiological data corresponds to the morphologic investigations (method of silver impregnation according to Goldzhi), which exposed a clear complication of neuron structure of dermo-motor analyser in the direction from spinal cord to upper layers of cortex. -- Zh.P. Shuranova

Card 2/2

- 85 -

ROBINER, I.S.

Physiological nature of the bioelectric phenomena of the brain under
the action of barbiturates. Vop. psikh. no.4:199-207 '60.

(MIRA 15:2)

(BRAIN) (BARBITURATES...PHYSIOLOGICAL EFFECT)
(ELECTROPHYSIOLOGY)

ROBINER, Irina Semenovna; YEFUNI, S.N., red.; ZUYEVA, N.K., tekhn.
red.

[Electroencephalography as method for the study of anesthesia]
Elektroentsefalografiia kak metod izucheniia narkoza. Moskva,
Medgiz, 1961. 174 p. (MIRA 15:10)
(ELECTROENCEPHALOGRAPHY) (ANESTHESIOLOGY)

ROBINER, S.B. (Moskva)

Pills are an obsolete medical form. Sov.med. 24 no.1:136-137 Ja
'60. (MIRA 13:5)

(PILLS)

ROBINER, S.B.

The drugstore before and after the Great October Socialist
Revolution. Apt.delo 8 no.2:82-85 Mr-Ap '59. (MIRA 12:5)
(DRUGSTORES)

Robiner, S.B.

ROBINER, S.B., provizor (Moskva)

Checking extemporaneous prescriptions in pharmacies. Apt.delo 6
no.5:63-64 S-O '57. (MIRA 10:11)
(PHARMACY)

ROBINER, S.G. (Moskva)

Time needed for preparing extemporaneous prescriptions in
drugstores. Apt.delo 7 no.6:35-38 E-D '58 (MIRA 11:12)
(PHARMACY)

USE OF ALDER WASTE IN THE PRODUCTION OF BROWN PULP

M. Ya. Rohingiyev. *Materialy Vsesoyuznogo Nauch.-Issledovatel. Inst. Bumazhnoi Tsellyuloznoi Prom. (Trans. All-Union Sci. Research Inst. Paper Cellulose Ind.)* 1931; No. 4, 96-8. —Alder chips and waste from veneer cutting, when cooked 8 hrs. at 4 atm. pressure and mixed with spruce pulp or waste paper is suitable for the production of brown wrapping paper. **Alder and aspen shavings from veneer and match factories for production of brown pulp.** *Ibid.* 98-101. —The shavings steamed 5-8 hrs. and cooked 30 min. at 4 atm. pressure produced good grades of yellow wrapping paper with 30% of paper waste and brown wrapping paper with 40% of spruce pulp. Chas. Blanc

23

ASD SLA METALLURGICAL LITERATURE CLASSIFICATION

CA 3

Study of the process of wood steaming. M. Robinov⁴,
and V. Kondrat'ev. *Vsesoyuznii Nauch.-Issledovatel'skiy
Inst. Khimicheskoi Tsellyuloznoi Prom. Materialov (Trans.
All-Union Sci. Research Inst. Paper Cellulose Ind.)* 1932,
No. 4, 139-40. In the production of brown wood pulp,
the optimum conditions of steaming are 9 hrs. at 4 atm.
or 7 hrs. at 5 atm. for spruce, and 7 hrs. at 4 atm. for
aspen. Chas. Blanc

430.55.4 METALLURGICAL LITERATURE CLASSIFICATION

1. TITLE : 1.1444 4-31
 0.1.1981 :
 2. AUTHOR : R. K. K. No. 1059, No. 88496
 3. TITLE : K. K. K. J.
 4. TITLE :
 5. TITLE : Methods of Testing the Dusting Stability of
 Printing Paper
 6. PUB. : P. K. K. No. 1059, No. 88496
 7. ABSTRACT : A review. Different methods of testing
 printing paper (P) for dusting, their advantages and
 drawbacks, as well as the equipment used, are considered.
 The author considers the British P. K. K. method as one of the
 best. Frequency of washing of the offset roller in P. K. K.
 printing is generally considered to be the index of
 dusting of the P. It has been ascertained experimentally
 that with severely dusting P the washing must be carried
 out after 100 sheets, with moderately dusting P -- after
 200 sheets, and with non-dusting P -- after 5000 sheets or
 more. Content of filler strongly affects the dusting of P.
 Maximum ash-content should be 10-12%. Effect of sheet size,
 8. CONCL: Attrition of P, poor printing, and other indices,
 on dusting of P requires further study. Bibliography
 of references. -- Ye. Survich.

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1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
COMMON ELEMENTS																										COMMON VARIANTS INDEX																									
PRELIMINARY VACUUM IN A WOOD-STEAMING KETTLE. M. ROBINOV AND V. KORD RAT'EV. <i>Bumazhnaya Prom.</i> 11, No. 5, 46-7 (1932). The work of Kovalevskii (<i>Izv.</i> No. 4) and Lyubshitz (<i>C. A.</i> 26, 308) was continued. C. H.																																																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			
1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									

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CA

Use of flax chaff and straw in paper production. M. Yu. Robinson, *Central Nauch.-Issledovatel. Inst. Bumaizh. Prom. Materialov* (Frank. *Central Sci. Research Inst. Paper Ind.*) 1933, No. 2, 130-57.—By sulfate cooking of flax chaff 6 hrs. at 6 atm. pressure with 17.5% active alkali, 30-41.65% pulp was obtained, including 4% of linen pulp (rag halfstuff), and 33.3% of bleached pulp with 4.8-5.2% Cl consumption. Mixed with wood pulp in various proportions, it gave writing and com. grades of paper of good quality and mech. properties equal to those obtained from cereal straw pulp. Other methods of pulping gave neg. results. Pulping of refuse flax straw produced inconclusive results. Chas. Blanc

ASAC 55A METALLURGICAL LITERATURE CLASSIFICATION

22

Utilization of proteins from depilatory liquors for sizing paper. M. ROUSSEAU
and P. ZOTOV. *Bumashkova Prom.* 12, No. 1, 64 7 (1963). The waste-liquor from
the unhairing of skins in the manufacture of leather is neutralized with H_2SO_4 , and the pptd
proteins are dried at 55° and used in sizing paper with good results. CHAS. BRASE.

CIA-RDP86-00513R0014449

CO

Use of wastes of common-flax straw and cotton in paper industry. M. Ya. Rohingy. *Tsentral. Nauch.-Issledovatel. Inst. Bumashkoi Prom. Materialui* 1935, No. 1, 203-23. —The results of lab. and large-scale sulfate and soda pulping of discarded common-flax straw, and "swing-turbine" and cotton wastes are discussed. Flax-straw waste freed from the chaff gives better results with 45.4-63.6% of unbleached stuff in the lab. and 41.8-4.9% in factory pulping, depending on the conditions of processing. The "swing-turbine" flax waste gives a mean yield of 76.0% in lab. and 62% in factory pulping. The yields of bleached stock were not det'd. The consumption of active alkali (computed as Na₂O) for flax straw in the factory

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cooking is 12.1-15% for "swing-turbine" waste 9.45% and for cotton waste 7.25%. The consumption of active Cl in the mill is 3-6%, depending on the pulping conditions. The combined bleaching (i. e., treating with weak alk. soln. at room temp. in the 1st stage) with an intermediate washing with warm water or dil. alk. soln. gives better results and reduces the consumption of active Cl. For all these products the total time of stage cooking, with 4 atm. pressure during the active stage of pulping, is 12-13.5 hrs. By the usual method of cooking at a working pressure of 4-5-5.3 atm., the digestion is effected in 5-6 hrs. The max. temp. is 147-50°. These pulps can be substituted for rag halfstuff in the compn. of high-grade rag papers. Though the mech. properties of these papers are inferior to the paper contg. in its compn. a corresponding amt. of linen, they are within the permissible limits of variation. The tech. properties of these papers conform to the standard of corresponding grades of paper, but are slightly contaminated with uncooked particles of chaffy materials and straw. Because of the comparatively large consumption of alkalis in the pulping of chaffy flax materials and of the advantages of sulfate method as compared with the soda cooking, the chem. reworking of these materials should be accompanied by an efficient system of recovery. C. B.

ASA S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

FROM 157-0312

FROM 157-0312

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Freeing flax chaff from bast tissue. M. Ya. Robinov, *Bumashadya Prom.* 15, No. 3, 59-60 (1930).—Flax chaff is freed from bast fiber, sand and dust preliminary to sulfate pulping in an improved app., which is illustrated and described.
Chas. Blanc

ASME 3.4 METALLURGICAL LITERATURE CLASSIFICATION

ROBINOVICH, Ye.L.

Interaction of human motor reflexes developed from different
analyzers. Report No.2 [with summary in English]. Vest.LGU
13 no.21:134-151 '58. (MIRA 11:12)
(MOVEMENT, PSYCHOLOGY OF)

ROBINOVICH, Ye.L.

Studying the interaction of human motor reflexes developed from
different analysors [with summary in English]. Vest. LGU 13
no.9:142-158 '58. (MIRA 11:6)

(REFLEXES)

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
The lamp method for determining sulfur. E. A. Roussowitch. <i>Collection Repts Motor Fuel Research U. S. N. R. Trans. Soc. Automobile Engineer Inst.</i> Issue 21, 59 (1931). A short bibliography precedes the description of a lamp method for dete S in motor fuels and various compds. The combustions were carried out in air and in (1) Methods for prep. EtSH, CS, Et₂S and Bu₂S are given and the results of com bustion in the lamp are discussed. A. A. ROUSSOWITCH																																																			
ASAC SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			

1. E. YA. ROBINOVICH, T. D. BRIGIRVA, P. A. TESNER

2. USSR (600)

4. Carbohydrates in the Body

7. Use of carbohydrates in the brain during its various physiological and pathological states. Nauch. biul. Len. un. no. 28. 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

Robinson, E. Ya.

Investigation of the catalytic activity of carbon in hydrocarbon transformation processes. E. Ya. Robinson, T. D. Sushchikova, and P. A. Tesneira. *Pererabotka i Nauch.-Issledovatel. Inst. Prirod. Gazov. Khim. Transport Prirod. Gazov* 1953, 71-97; Referat. Zhur., Khim. 1955, No. 392. The catalytic activity of several C-black specimens, activated C black (I), and Al silicate catalyst (II) in reactions of thermal decomposition, dehydrogenation, and cyclization of hydrocarbons was tested in a glass tube by the continuous-flow method. In these tests was determined the ratio of the sum of the decomposition products in mg./hr. for each sq.m. of surface (sp. activity) to the wt. of C formed on the catalyst. It was found that the C surface of I and of the C obtained in thermal decomposition of hydrocarbons catalyze the break of C-C and C-H bonds and cyclization. In the cracking of paraffinic hydrocarbons at 515° and vol. velocities of 0.4 ml. of catalyst per hr. the sp. activity of channel, acetylene, and thermal C black having sp. areas of 100, 65, and 15 sq.m./g., resp., was 4.5, 3.4, and 5.0 mg./sq. m. hr. The extent of decomposition in the presence of C black is 3-4.5 times as great as without it. The sp. surface and activity of channel C black used in cracking paraffinic hydrocarbons at 500° was only slightly affected by the C deposited on it. After 135 hrs. of operation when 20.5% C was deposited on it, the activity of the channel C black did not change. The temp. coeff. of activation was 27.7 kcal./mole. During cracking of petroleum gas oil at 515° the amt. of C black formed on the catalyst rose sharply, and after 119 hrs. it amounted to 140% of the wt. of the C black. The sp. surface was thereby

lowered to 3 sq.m./g., and this entailed a loss of the cracking activity. A comparison was made between the cracking of kerosine and gas-oil fractions on channel C black coated with pptd. C, on II, and on I with 80, 186, and 650 sq.m./g. sp. surfaces. The activity of II in vol. velocities was 10-20 times as high as that of C black, and sp. activity was 2-6 times as high. The amt. of C pptd. per unit surface in 1 hr. at 520, 514, and 480° on II was 3.8, 4.2, and 6 times as high, resp., as on C black. The relative activity of I was 12 times as high as the activity of C black and 1.3 times as high as that of II. In 22 hrs. the wt. of I increases by 24% and the vol. of micropores decreased to 1/3 the original value.

The gas contained 15-20% H₂. Dehydrogenation was studied on Decalin at 520-50°. On I dehydrogenation proceeded vigorously, and the formation of C was not observed. On C black having 1/3 the surface the reaction proceeded slower. Cyclization was studied on octane and an octane-octene fraction at 520-50° on I. At 500° and vol. velocity 0.7 ml./ml. hr. the catalyze from octane contained 8-10% aromatics and 10-12% olefins. The octane-octene fraction gave a catalyze contg. 48.5% substances that could be sulfonated, had a n_D^{20} 1.4417, and iodine no. 28. Best results were illustrated by a product contg. substances capable of being sulfonated 70%, olefins 9%, and having a n_D^{20} 1.4814. Cyclization caused intensive deposition of C. The order of activity of the catalysts studied was I, II, C black. For cracking, C black was unsuitable. The decline of its activity is attributable to a decrease in its sp. surface area. M. Hosen

ROBINOVICH, Ye.L.

Comparative study of excitability variations following a positive and negative conditioned reflex. Uch. zap. IGU no.239:38-46 (MIRA 12:1)
'58.

1.Laboratoriya fiziologii vysshey nervnoy deystel'nosti Fiziologicheskogo instituta Leningradskogo gosudarstvennogo universiteta i laboratoriya interotseptivnykh uslovnykh refleksov Instituta fiziologii AN SSSR.

(CONDITIONED RESPONSE)

ROBINOVICH, Ye. Ya.; TESNER, P. A.

Studying carbon black formation in the diffusion flame of natural
gas. Trudy VNIIGAZ no. 1:55-73 '57. (MIRA 11:1)
(Carbon black)

ROBINOVICH, Ye. Ya. Ye Ya

Effect of gas composition on carbon black formation in diffusion
flame. Trudy VNIIGAZ no.1:74-85 '57. (MIRA 11:1)
(Carbon black)

POLYAKOVA, M.M.; RAFALEKES, I.S.; ROBINOVICH, Ye..Ya.; TESNER, P.A.

Formation of acetylene in the thermal decomposition and incomplete combustion of natural gas. Trudy VNIIGAZ no.6:17-36
'59. (MIRA 12:10)
(Gas, Natural) (Acetylene)

ROBINOVICH, Ye.Ya.; RAFAL'KES, I.S.

Formation of carbon filaments in hydrocarbon thermal decomposition. Trudy VNIIGAZ no.6:37-46 '59. (MIRA 12:10)
(Carbon) (Hydrocarbons)

TESNER, P.A.; ROBINOVICH, Ye.Ya.; MATYUSHENKO, L.A.

Study of the black process during thermal decomposition of diluted
mixtures of hydrocarbons. Trudy VNIIGAZ no.12:27-41 '61.
(MIRA 15:1)

(Carbon black) (Hydrocarbons)

ROBINOVICH, Ye.Ya.

Studying the black process in a diffusion flame of methane. Trudy
VNIIGAZ no.12:61-70 '61. (MIRA 15:1)
(Carbon black) (Methane)

TESNER, P.A.; ROBINOVICH, Ye.Ya.; MATYUSHENKO, L.A.

Measuring the activation energy of the process of carbon formation
at high temperatures. Trudy VNIIGAZ no.12:49-55 '61. (MIRA 15:1)

(Carbon)

ROBINOVICH, Ya.Ya.; RANALIKES, I.S.

~~Studying~~ the process of carbon black formation in the incomplete
combustion of natural gas in a confined reaction space. Trudy
VNIIGAZ no.6:47-62 '59. (MIRA 12:10)
(Carbon black) (Gas, Natural)

ROBINOVICH, Ye. Ye.

4. Following is a list of the Soviet papers submitted to the combustion symposium:
- L A Lovachev - The Dependence of Laminar Flame Properties on the Mechanism of Chain Reactions
 - L A Lovachev - The Theory of Flame Propagation in Systems Involving Branched Chain Reactions
 - NIKOLIN, Ye. Ye. - On the Mechanism of Non-Adiabatic Relaxation in Molecular Collisions
 - I I Denisov - Some Questions of Analogy Between Combustion in a Thrust Chamber and in a Detonation Wave
 - K I Chelalov - On the Criterion of High-Frequency (acoustic) Vibrations Generation in a Turbulent Combustion Chamber
 - K I Chelalov - A Simple Method for Determining Effective Activation Energies for Thermal Decomposition and Spontaneous Ignition of Certain Complex Molecules
 - A I Serlinov - On the Theory of Detonation Initiation by Impact
 - L O Bolshovitinov - The Energy of Activation of Gaseous Reactions with Solid Carbon
 - P A Tsemir - Formation of Dispersed Carbon by Explosion and Thermal Decomposition of Acetylene
 - P A Tsemir - Formation of Dispersed Carbon in Hydrocarbon Diffusion Flames
 - TESENER, P. A. - Effect of Dissociation on the Parameters of Detonated Shock Waves in Carbon Dioxide
 - ROBINOVICH, Ye. Ye. - Study of Combustion of Adiabatically Heated Gas Mixtures
 - ROBINOVICH, Ye. Ye. - Some Methods for Studying Two-Phase Fuel-Air Mixtures in a Flow
 - I M Rudakov - Propagation of Flames in Turbulent Flow of Two-Phase Fuel-Air Mixtures
 - K K Chelalov - Thermodynamic Properties of Air at High Temperatures
 - STUCHENKO, Ye. V. - Conditions of Regular Movement of Strong Shocks and Detonation
 - STUCHENKO, Ye. V. - Some Remarks on the Regular Movement of Shocks with Spherical and Cylindrical Symmetry
 - STUCHENKO, Ye. V. - Regular Motion of Shocks and of Detonation from the Viewpoint of Maxwell's Transfer Equations
 - STUCHENKO, Ye. V. - Conditions of Regular Movement of Strong Shocks and Detonation
 - A S Prudvitskiy - Some Remarks on the Regular Movement of Shocks with Spherical and Cylindrical Symmetry
 - A S Prudvitskiy - Regular Motion of Shocks and of Detonation from the Viewpoint of Maxwell's Transfer Equations

ROBINOVICH, Ye.Ya.; TESNER, P.A.

Studying the degree of dispersion of carbon black in various
parts of the flame of a natural gas diffusion burner. Trudy
VNIIGAZ no.3:82-94 '58. (MIRA 11:8)
(Carbon black) (Gas burners)

RAFAL'KES, I.S.; ROBINOVICH, Ye. Ya.; TESNER, P.A.

Studying the process of the manufacture of highly dispersed
channel black. Trudy VNIIGAZ no.3:95-105 '58. (MIRA 11:8)
(Carbon black)

ROBINSON, C. F.

"Nucleus Structure Among Bacteria." (p. 459) by Robinson, C. F. (A Study of the Nuclear Apparatus of Bacteria. Proceedings Royal Society of London, Series B, Vol. 139, No. 366, p. 271-323, 1942)

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RUBINOWICZ, A.

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Rubinowicz, A. Die Rolle der Beugungswelle in den Fraunhofer'schen Beugungserscheinungen. Acta Phys. Polon. 13, 3-13 (1954). (Russian summary)

TSF/T

The paper is, in a sense, a continuation of earlier work by the same author [Ann. Physik (4) 53, 257-278 (1917); 73, 339-364 (1924)]. The total field behind an aperture can be written as a sum of the geometric-optics field and a "diffraction wave" originating at the edge of the aperture, all in the scheme of Kirchhoff's theory. The present paper studies phenomena of discontinuities along the boundary of the geometric-optics field when the primary source goes to infinity (plane-wave excitation) and the point of observation lies in the Fraunhofer zone. Reference is made to a transformation of M. Laue [S.-B. Preuss. Akad. Wiss. 1936, 89-91].

C. J. Bouwkamp (Eindhoven)

ROPINSKAYA, N. I.

Agricultural Pests

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[The Kon-Tiki expedition. Aku - Aku] Puteshestvie na
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